

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of BRUNENGO

Application No.

Examiner:

Filed: Herewith

Group Art Unit:

For: METHOD FOR THE TREATMENT OF COMBUSTION FLUE GAS

**INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(b)**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

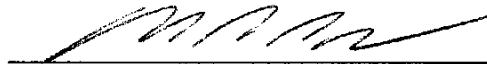
Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, the references cited on the accompanying form PTO/SB/08A are hereby brought to the attention of the Examiner for independent evaluation. In accordance with the Rules in effect for applications filed after June 30, 2003, copies of U.S. patents and/or patent application publications are not enclosed. The references were cited in the International Search Report. A copy of the search report is enclosed.

**Certification**

This Statement is being filed concurrently with the filing of the present application, and this paper is thus submitted in accordance with 37 CFR §1.97(b). In view of the above certification, a fee is not required for consideration of these documents. Nevertheless, should a fee be deemed to be due by the Commissioner, such fee should be charged to Deposit Account No. 50-0951.

Respectfully submitted,

Dated: 4-26-06



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Docket No. 9526-88

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	BRUNENGO
Art Unit	
Examiner Name	
Attorney Docket Number	9526-88

Sheet 1 of 1

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,093,380	07/25/2000	LAGANA ET AL.	
		US- 6,361,754	03/26/2002	PETER-HOBLYN ET AL.	
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>8</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference URC050BWO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/009936	International filing date (day/month/year) 07/09/2004	(Earliest) Priority Date (day/month/year) 05/11/2003
Applicant  UREA CASALE S.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regards to the drawings,**

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2004/009936

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A method for the removal of nitrogen oxides contained in combustion flue gas through treatment with gaseous ammonia, in which the gaseous ammonia is generated in situ by hydrolysis reaction of an aqueous urea solution (L4) whereby the ammonia generated by the hydrolysis (L5) is accumulated in gaseous state, under pressure, in an accumulator (A5).

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/009936

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D53/56 B01D53/86 B01D53/94 C01C1/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D C01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 361 754 B1 (PETER-HOBLYN JEREMY D ET AL) 26 March 2002 (2002-03-26) column 3, line 57 - line 67 column 4, line 18 - line 31 column 5, line 14 - line 23; figure 2	1,2,5-8
Y		3,4
Y	US 6 093 380 A (LAGANA VINCENZO ET AL) 25 July 2000 (2000-07-25) column 8, line 63 - column 9, line 29 column 10, line 36 - line 45; figure 2	3,4

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

8 November 2004

Date of mailing of the international search report

19/11/2004

Name and mailing address of the ISA

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Authorized officer

Eijkenboom, A

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009936

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6361754	B1	26-03-2002	JP	10323831 A	08-12-1998
			JP	10323832 A	08-12-1998
			JP	10323833 A	08-12-1998
			JP	10329188 A	15-12-1998
			US	5958659 A	28-09-1999
US 6093380	A	25-07-2000	US	6616901 B1	09-09-2003